



[2345/62]

#11/B

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Alfred SCHEERHORN et al.
Serial No. : 09/269,830
Filed : April 1, 1999
For : SIGNAL TRANSMISSION PROCESS
Art Unit : 2134
Examiner : Paul Callahan

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Technology Center 2100

Commissioner for Patents
P.O. Box 1450
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Date: June 27, 2003

Signature: Linda M. Shudy (Reg. No. 47,084)

AMENDMENT

Sir:

In response to the Office Action mailed on December 27, 2002, please reconsider the above-identified application based on the following:

IN THE CLAIMS:

Please add without prejudice new claims 24 to 30, as follows:

24. (New) A method for transmitting signals between a transmitter and a receiver, the method comprising:

[calculating data as a function of a secret key using at least one cryptographic algorithm in a calculation phase,] the calculation phase including generating a pseudo-random sequence, certain strings of the pseudo-random sequence being used for coding the signals and positions in the transmission sequence, and wherein the authentication token of one of the signals transmitted at an i-th position is calculated as a function of the coding of the signal and the coding of the respective position in the transmission sequence; and

calculating authentication tokens for the signals as a function of the data in a communication phase so as to authenticate both the signals and a transmission sequence of the signals, the authentication token of the one signal transmitted at the i-th position being a bit-